

CLAIM AMENDMENTS

1. (original) A visual output device comprising:
an energy input port;
a current limiter coupled to the input port;
a strobe circuit coupled to the current limiter with the current limiter responsive to a strobe circuit flash condition to reduce a post-flash peak current draw of the strobe circuit below a corresponding peak current value of the strobe circuit in the absence of the current limiter.
2. (currently amended) ~~An output device as in Claim 1~~ A visual output device comprising:
an energy input port;
a current limiter coupled to the input port;
a strobe circuit coupled to the current limiter with the current limiter responsive to a strobe circuit flash condition to reduce a post-flash peak current draw of the strobe circuit below a corresponding peak current value of the strobe circuit in the absence of the current limiter and which includes a control input port for varying at least one parameter of the current limiter in accordance with a selected visual output parameter.
3. (original) An output device as in Claim 2 where the at least one parameter comprises a control voltage.
4. (original) An output device as in Claim 2 which includes at least one of, a manually selectable visual output parameter, or, an electronically selectable visual output parameter.
5. (original) An output device as in Claim 4 which includes a manually settable element to select the visual output parameter and to select a current limiter parameter.

6. (original) An output device as in Claim 5 where the manually settable element comprises at least one of a mechanical switch, or an electronic switch.

7. (original) An output device as in Claim 4 which includes an electrically settable element to select the visual output parameter and to select a current limiter parameter.

8. (original) An output device as in Claim 2 which includes at least one of a movable current limiter parameter specifying element, or a non-movable current limiter parameter specifying element.

9. (original) An output device as in Claim 1 where the strobe circuit comprises a passive energy storage device coupled to a gas filled member.

10. (currently amended) ~~An output device as in Claim 1~~ A visual output device comprising:

an energy input port;

a current limiter coupled to the input port;

a strobe circuit coupled to the current limiter with the current limiter responsive to a strobe circuit flash condition to reduce a post-flash peak current draw of the strobe circuit below a corresponding peak current value of the strobe circuit in the absence of the current limiter and which includes a manual adjustment element coupled to the current limiter, and, to the strobe circuit, the adjustment element varying both a current limiting parameter of the current limiter, and a visual output parameter of the strobe circuit.

11. (currently amended) ~~An output device as in Claim 1~~ A visual output device comprising:

an energy input port;

a current limiter coupled to the input port;

a strobe circuit coupled to the current limiter with the current limiter responsive to a strobe circuit flash condition to reduce a post-flash peak current draw of the strobe circuit

below a corresponding peak current value of the strobe circuit in the absence of the current limiter and which includes an adjustment element coupled to the current limiter, and, to the strobe circuit, the adjustment element varying both a current limiting parameter of the current limiter, and a visual output parameter of the strobe circuit.

12. (original) An output device as in Claim 9 where the current limiter comprises a current sensor and an electronic switch with a control output coupled to the strobe circuit.

13. (original) n output device as in Claim 12 where the electronic switch comprises a transistor.

14. (original) An output device as in Claim 13 which includes a manually settable, current limiter selection element.

15-22 (cancelled)

23. (original) A system comprising:
a plurality of visual output devices, each of the devices includes a control element which is one of, mechanically movable or electrically settable, to limit a peak current draw of the respective device; and
a switchable source of electrical energy to power the devices.

24. (original) A system as in Claim 23 where the output devices each includes a triggerable light emitting output device.

25. (original) A system as in Claim 24 where the control element alters a light output parameter in accordance with the limited peak current draw.

26. (original) A system as in Claim 25 where the light emitting output device comprises a gas filled member.

27-29 (cancelled)

30. (currently amended) An illuminatable unit comprising:
a visual output element;
a source of energy to illuminate the element;
a control circuit coupled to the source of energy; and
a current limiting circuit, coupled to the control circuit, to limit maximum current draw as a function of a selectable output illumination parameter.

31. (original) A unit as in Claim 30 with circuitry to adjust the current limiting circuit in response to selecting one of a plurality of illumination parameters.

32. (original) A unit as in Claim 30 where the visual output element comprises a flashable gas filled member, and the current limiting circuit limits a peak charging current associated with the member.

33. (original) A unit as in Claim 31 where both the current limiting circuit and the control circuit are adjusted together in response to selecting one of a plurality of output illumination parameters.

34. (original) A unit as in Claim 31 with the circuitry to adjust including at least one of a manually manipulatable element, or, an electronically manipulatable element.

35. (original) A unit as in Claim 33 with the circuitry to adjust including at least one of a manually manipulatable element, or, an electronically manipulatable element.

36. (original) A unit as in Claim 30 where maximum current draw is limited, subsequent to the element being illuminated, to a value associated with a selected illumination parameter.

37. (original) A unit as in Claim 30 which includes a current sensor coupled to a comparator, the comparator establishing at least one peak current value.

38. (original) A unit as in Claim 37 with the comparator including circuitry for establishing a plurality of peak current values.

39. (original) A unit as in Claim 38 which includes an adjustable electrical parameter for selecting one of the plurality of peak current values.

40-48 (cancelled)

49. (previously presented) A unit as in claim 35 where the manually manipulatable element, is one of linearly movable, rotatably movable, or, removable at least in part to select the one illumination parameter.

50. (previously presented) A device as in claim 49 where the manually manipulatable element is coupled to the current limiting circuit to limit current draw in accordance therewith.

51. (previously presented) A unit as in claim 30 where the source of energy comprises a capacitor.

52. (previously presented) A unit as in claim 51 which includes a housing, the housing carries the visual output element, the capacitor, the control circuit and the current limiting circuit.

53. (previously presented) A unit as in claim 52 where the housing carries a manually manipulatable control member to select an illumination parameter.

54. (previously presented) A unit as in claim 53 where the control member comprises one of linearly movable, rotatably movable or removable at least in part to specify the illumination parameter.

55. (previously presented) A unit as in claim 54 where the control member comprises a switch.

56. (new) A system as in claim 23 where the control element in each of the devices limits a peak repetitive current draw in accordance with a setting thereof.

57. (new) A system as in claim 56 where the peak repetitive current draws occur subsequent to the source switching to an energy supplying state.

58. (new) A system as in claim 56 where each of the output devices exhibits an initial peak current draw when the source switches to an energy supplying state followed by a plurality of spaced apart, repetitive lesser peak current draws, at least the lesser peak current draws are in accordance with a current peak limiting setting of the control element and a different light specifying setting which determines an optical output value, from a group thereof.

59. (new) A system as in claim 58 where pairs of peak current limiting and respective different settings are linked.

60. (new) A system as in claim 59 where each of the members of the group of light specifying settings has a peak current limiting setting associated therewith.